What Is Claimed Is:

1. A graft ligament having a first end and second end, said first end and said second end defining a first longitudinal axis, and said graft ligament having a substantially uniform cross-sectional thickness along said first longitudinal axis between said first end and said second end, said graft ligament comprising:

a tendon having a third end and a fourth end, said third end and said fourth end defining a second longitudinal axis therebetween, said tendon having a non-uniform cross-sectional thickness along said second longitudinal axis between said third end and said fourth end, and said tendon having a first portion, a second portion, and a third portion along said second longitudinal axis between said third end and said fourth end; and

a securing material securing at least one section of said first portion, said second portion, and said

third portion with another at least one section of said first portion, said second portion, and said third portion so as to form said third end and said fourth end, respectively, and so as to form said graft ligament with a substantially uniform cross-sectional thickness along said first longitudinal axis between said first end and second end.

- A graft ligament according to claim 1
 wherein said securing material is a suturing material.
- 3. A graft ligament according to claim 2 wherein said at least one section of said first portion, said second portion, and said third portion are sutured to said another at least one section of said first portion, said second portion, and said third portion at said third end and said fourth end, respectively.
- 20 4. A graft ligament according to claim 1 wherein said tendon is harvested from a human body.

5. A graft ligament according to claim 1 wherein said tendon has said first portion, said second portion, and said third portion in series from said third end to said fourth end, and further wherein said second portion has a given mean cross-sectional thickness, and said first portion and said third portion each have a smaller mean cross-sectional thickness than said given mean cross-sectional thickness.

- 6. A graft ligament according to claim 5 wherein said first portion and said third portion are each folded against said second portion and sutured thereto, respectively.
- 7. A graft ligament according to claim 6 wherein said first portion is folded against and sutured to said second portion along a first given length, and said third portion is folded against and

sutured to said second portion along a second given length.

- 8. A graft ligament according to claim 7 wherein said first given length is shorter than said second given length.
- 9. A graft ligament according to claim 7 wherein said first given length and said second length are equal to one another.
- 10. A graft ligament according to claim 7 wherein the total length of said first given length and said second given length is equal to the length from said first end to said second end of said graft ligament.
- 11. A graft ligament according to claim 7 wherein the total length of said first given length and said second given length is less than the length from said first end to said second end of said graft ligament.

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- 12. A graft ligament according to claim 6 wherein said first portion and said third portion are each folded upon itself along a third given length and a fourth given length, respectively, and sutured thereto, said second portion is folded upon itself and sutured therebetween, and said first portion and said third portion are sutured to one another.
- 13. A graft ligament according to claim 12 wherein said third given length and said fourth given length are equal to one another.
- 14. A graft ligament according to claim 12 wherein said first given length is longer than said third given length.
- 15. A graft ligament according to claim 6 wherein said second portion is folded against itself, a bone core is disposed between said first portion and said third portion, and said first portion and said

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third portion are secured together with said bone core disposed therebetween.

- 16. A graft ligament according to claim 15 wherein said folded second portion, forming a first segment and second segment, is sutured therebetween.
- 17. A graft ligament according to claim 1 further comprising at least two of said tendons secured together to form said graft ligament.
- 18. A method of making a graft ligament having a first end and second end, said first end and said second end defining first a longitudinal axis, and said graft ligament having a substantially uniform cross-sectional thickness along said first longitudinal axis between said first end and said second end, said method of making said graft ligament comprising:

providing a tendon having a third end and a fourth end, said third end and said fourth end

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defining a second longitudinal axis therebetween, said tendon having a non-uniform cross-sectional thickness along said second longitudinal axis between said third end and said fourth end, and said tendon having a first portion, a second portion, and a third portion along said second longitudinal axis between said third end and said fourth end; and

securing at least one section of said first portion, said second portion, and said third portion to another at least one section of said first portion, said second portion, and said third portion so as to form said third end and said fourth end, respectively, and so as to form said graft ligament having a substantially uniform cross-sectional thickness along said first longitudinal axis between said first end and second end.

19. A method of making a graft ligament according to claim 18 wherein the step of securing at least one section of said first portion, said second portion, and said third portion to another at least

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one section of said first portion, said second portion, and said third portion includes the use of a suture material.

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20. A method of making a graft ligament according to claim 18 wherein said first portion, said second portion, and said third portion are in series from said third end to said fourth end, and further wherein the step of securing at least one section of said first portion, said second portion, and said third portion to said another at least one section of said first portion, said second portion, and said third portion includes the steps of folding said first portion against said second portion along a first given length, folding said third portion against said second portion against said second portion along a second portion, and suturing said third portion to said second portion, and suturing said third portion to said second portion.

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21. A method of making a graft ligament according to claim 20 wherein said first given length

of said first folded portion is shorter than said second given length of said third folded portion.

- 22. A method of making a graft ligament according to claim 20 wherein said first given length of said first folded portion is equal to said second given length of said third folded portion.
- 23. A method of making a graft ligament according to claim 18 wherein said first portion, said second portion, and said third portion are in series from said third end to said fourth end, and further wherein the step of securing at least one section of said first portion, said second portion, and said third portion to saide another at least one section of said first portion, said second portion, and said third portion includes the steps of folding said first portion against itself, folding said third portion against itself, suturing said folded first portion, suturing said folded third portion, folding said

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second portion against itself, and suturing said folded second portion.

- 24. A method of making a graft ligament according to claim 18 wherein said first portion, said second portion, and said third portion are in series from said third end to said fourth end, and further wherein the step of securing at least one section of said first portion, said second portion, and said third portion to said another at least one section of said first portion, said second portion, and said third portion includes the steps of folding said second portion against itself, positioning a bone core between said first portion and said third portion, and securing said first portion and said third portion together with said bone core disposed therebetween.
- 25. A method of making a graft ligament according to claim 24 further comprising the step of securing said folded second portion to itself.